



10/686,931

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) Zobel et al. Examiner: Unassigned
Serial No.: Unassigned Group Art Unit: Unassigned
Confirmation No: Unassigned Docket: 163-44
Filed: October 16, 2003 Dated: October 24, 2003
For: MULTIPLE TECHNOLOGY
FLOW SENSOR

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

*I hereby certify this correspondence is being deposited
with the United States Postal Service via first class mail
addressed to:*

Commissioner for Patents, P.O. Box 1450,
Alexandria, Virginia 22313-1450
on October 24, 2003

Signed: Melinda A. King

INFORMATION DISCLOSURE STATEMENT

Sir:

In order to fulfill the requirements of candor and good faith set forth in 37 C.F.R.

§1.56, Applicants submit herewith the following Information Disclosure Statement in
accordance with the provisions of 37 C.F.R. §1.97 and §1.98.

UNITED STATES PATENT PUBLICATION

<u>APPLICANT</u>	<u>PUBLICATION NO.</u>	<u>PUBLICATION DATE</u>
Wallace	2003/0159697 A1	August 28, 2003

UNITED STATES PATENTS

<u>PATENTEE</u>	<u>PATENT NO.</u>	<u>ISSUE DATE</u>
Chelner et al.	3,424,000	January 28, 1969
Pavlin et al.	3,927,565	December 23, 1975

RECEIVED
APR 14 2004
OIP E/JCWS

<u>PATENTEE</u>	<u>PATENT NO.</u>	<u>ISSUE DATE</u>
Furuse	4,729,244	March 8, 1988
Uchiyama et al.	4,875,932	October 24, 1989
Shimada et al.	4,986,127	January 22, 1991
Stoll et al.	5,000,226	March 19, 1991
Tamura et al.	5,144,843	September 8, 1992
Mosser et al.	5,187,984	February 23, 1993
Ugai et al.	5,259,248	November 9, 1993
Stoll et al.	5,348,047	September 20, 1994
Kolbly	5,383,470	January 24, 1995
Hohner	5,458,048	October 17, 1995
Kalinoski	5,463,904	November 7, 1995
Shimada et al.	5,469,749	November 28, 1995
Broden et al.	5,495,769	March 5, 1996
Kuhn et al.	5,546,794	August 20, 1996
Basch et al.	5,717,147	February 10, 1998
Nishino et al.	5,791,369	August 11, 1998
Lechner	5,820,262	October 13, 1998
Loan et al.	5,868,159	February 9, 1999
Louwagie et al.	5,899,962	May 4, 1999
Wan	5,965,813	October 12, 1999
Feller	6,023,969	February 15, 2000
Strutt et al.	6,295,874 B1	October 2, 2001
Brereton et al.	6,408,698 B1	June 25, 2002
Fehl et al.	6,443,328 B1	September 3, 2002

<u>PATENTEE</u>	<u>PATENT NO.</u>	<u>ISSUE DATE</u>
Fathollahzadeh	6,470,741 B1	October 29, 2002
Kurosawa	6,561,216 B2	May 13, 2003
Tajima et al.	6,615,867 B2	September 9, 2003

FOREIGN PATENT DOCUMENTS

<u>COUNTRY</u>	<u>PUBLICATION NO.</u>	<u>PUBLICATION DATE</u>
EPO	0 087 621	August 2, 1983
EPO	EP 0 381 775 A1	August 16, 1990
Japan	JP 3-18735	January 28, 1991
EPO	EP 0 561 365 A2	September 22, 1993
Germany	DE 195 02 499 A1	August 1, 1996

NON-PATENT PUBLICATIONS

1. Jørgensen, Finn E., "How to Measure Turbulence with Hot-Wire Anemometers", Dantec Dynamics, Publication No: 9040U6151, February 1, 2002.

The above-referenced documents are listed on Form PTO-1449. We have enclosed the cited documents to facilitate reference to them.


CONCISE EXPLANATION OF NON-ENGLISH REFERENCES

German Patent No. DE 19502499 A1 discloses a bus system including communication slave input and output modules for actuating a sensor interface.

Japanese reference JP 3-18735 discloses a bi-level detector with sensors mounted within a chamber.

If the Examiner has any questions or comments relating to the present application, he or she is respectfully invited to contact Applicants' attorney at the telephone number set forth below.

Respectfully submitted,



Rod S. Turner
Registration No.: 38,639
Attorney for Applicant(s)

HOFFMANN & BARON, LLP
6900 Jericho Turnpike
Syosset, New York 11791
(516) 822-3550
RST:mak

180051_1.DOC

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(Rev. 2-32) PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
163-44SERIAL NO.
UnassignedINFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANT
Zobel et al.CONFIRMATION NO.
Unassigned

(Use several sheets if necessary)

FILING DATE
October 16, 2003GROUP
Unassigned

U.S. PATENT PUBLICATIONS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	2003/0159697 A1	08/28/03	Wallace			

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	3,424,000	1/28/69	Chelner et al.			
	3,927,565	12/23/75	Pavlin et al.			
	4,729,244	3/8/88	Furuse			
	4,875,932	10/24/89	Uchiyama et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
						YES	NO
	0 087 621	8/2/83	EPO				
	EP 0 381 775 A1	8/16/90	EPO				
	JP 3-18735	1/28/91	Japana				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Jorgensen, Finn E., "How to Measure Turbulence with Hot-Wire Anemometers", Dantec Dynamics, Publication No. 9040U6151, February 1, 2002.
--	--	--

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.



FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. 163-44	SERIAL NO. Unassigned
	APPLICANT Zobel et al.	CONFIRMATION NO. Unassigned
	FILING DATE October 16, 2003	GROUP Unassigned

U.S. PATENT PUBLICATIONS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
		4,986,127	1/22/91	Shimada et al.			
		5,000,226	3/19/91	Stoll et al.			
		5,144,843	9/8/92	Tamura et al.			
		5,187,984	2/23/93	Mosser et al.			
		5,259,248	11/9/93	Ugai et al.			
		5,348,047	9/20/94	Stoll et al.			

FOREIGN PATENT DOCUMENTS

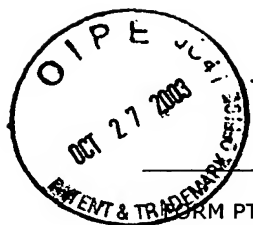
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
		EP 0 561 365 A2	9/22/93	EPO				
		DE 195 02 499 A1	8/1/96	Germany				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.



FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. 163-44	SERIAL NO. Unassigned
	APPLICANT Zobel et al.	CONFIRMATION NO. Unassigned
	FILING DATE October 16, 2003	GROUP Unassigned

U.S. PATENT PUBLICATIONS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLA SS	SUB CLASS	FILING DATE IF APPROPRIATE
		5,383,470	1/24/95	Kolbly			
		5,458,048	10/17/95	Hohner			
		5,463,904	11/7/95	Kalinoski			
		5,469,749	11/28/95	Shimada et al.			
		5,495,769	3/5/96	Broden et al.			
		5,546,794	8/20/96	Kuhn et al.			
		5,717,147	2/10/98	Basch et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(Rev. 2-32) PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
163-44SERIAL NO.
UnassignedINFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANT
Zobel et al.CONFIRMATION NO.
Unassigned

(Use several sheets if necessary)

FILING DATE
October 16, 2003GROUP
Unassigned

U.S. PATENT PUBLICATIONS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLA SS	SUB CLASS	FILING DATE IF APPROPRIATE
		5,791,369	8/11/98	Nishino et al.			
		5,820,262	10/13/98	Lechner			
		5,868,159	2/9/99	Loan et al.			
		5,899,962	5/4/99	Louwagie et al.			
		5,965,813	10/12/99	Wan			
		6,023,969	2/15/00	Feller			
		6,295,874 B1	10/2/01	Strutt et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO

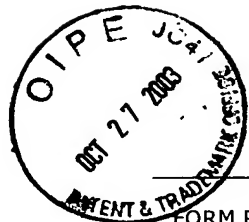
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

--	--	--	--

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.



FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. 163-44	SERIAL NO. Unassigned
	APPLICANT Zobel et al.	CONFIRMATION NO. Unassigned
	FILING DATE October 16, 2003	GROUP Unassigned

U.S. PATENT PUBLICATIONS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLA SS	SUB CLASS	FILING DATE IF APPROPRIATE
		6,408,698 B1	6/25/02	Brereton et al.			
		6,443,328 B1	9/3/02	Fehl et al.			
		6,470,741 B1	10/29/02	Fathollahzadeh			
		6,561,216 B2	5/13/03	Kurosawa			
		6,615,867 B2	9/9/03	Tajima et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

--	--	--	--

180222_1.DOC

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.